



SOLAR STIK®

Category: Power Management

DC Power Distribution (DCPD) Box

Item # 14-1000110

Standardize Power Distribution

The Direct Current Power Distribution (DCPD) Box provides for a standard, intuitive interface for existing and future DC loads. The DCPD has a NATO Slave Receptacle as the DC input port to enable the use of existing NATO Slave Cables when accepting DC power from tactical vehicles and other DC power generating sources. The DCPD also has six (6) MIL-STD Bayonet connectors that are currently used on most tactical vehicles and equipment as the DC output ports. The DCPD can distribute up to 30 A of 12 – 30 VDC power through one of the output ports (J1) and another 30 A (@ 12 – 30 VDC) cumulatively through the other five (5) output ports (J2 – J6) for a total throughput capacity of 1.6 kW.



General	
Operating Voltage	28 VDC Nominal
Power Indicator	LED for DC input and each DC output bus
Case*	Pelican 1200
Certifications	<ul style="list-style-type: none"> Compliant with MIL-STD-1275E Design to MIL-STD-810H
Warranty	1-year materials and workmanship

*Standard color is tan. Optional colors: Black or OD green

Power Rating (@77 °F/25 °C)	
DC Input	1.6 kW
DC Output	<ul style="list-style-type: none"> J1: 840 W J2 – J6: 840 W

Safety	
Breaker(s)	<ul style="list-style-type: none"> J1 Output: 30 A J2 – J6 Outputs: 30 A

Connections	
Input(s)	(1) NATO Receptacle
Output(s)	(6) Bayonet (CA3102E22-1SBF80A232)

Environmental	
Operating Temperature	-50.8 °F to 159.8 °F (-40 °C to 71 °C)
Ingress Protection	Designed to IP65

Weights and Dimensions (L x W x H)	
Weight	8.1 lb (3.7 kg)
Dimensions	12.5 x 11.3 x 4.9 in (31.8 x 28.7 x 12.5 cm)

Features

- Selected by USMC as a compatible device for distributing power from high-capacity DC sources to multiple loads
- Simple and common connectors enable plug-and-play compatibility and standardization
- Accepts up to 60 A of input DC power and outputs 30 A through one port and 30 A total through five other ports
- Dual bus provides added power assurance to critical equipment
- Smaller and lighter than existing power distribution boxes without fragile and expensive power electronics
- Enables quicker setup and teardown of supported weapon systems
- Designed to MIL-STD-810H with testing and acceptance by USMC

